









PMV27 := 27682.000000 \* PMV24 - 297.000000 - 44416 \* PMV25

PMV25 := PMV24 \* PMV24

PMV27 := PMV27 + 40023 \* PMV25

PMV25 := PMV24 \* PMV25

88

TO FIG.4 continue.

27

JAN 20 200A E
---------------

-	200000000000000000000000000000000000000		
<b>-</b>	FM VU3 := 70.430000	#CONDUCTOR LONGITUDE	
7	PMV04 := 75.000000	#LSTD	LIC
က	PMV05 := 0.500000	#SAC	
4	PMV06 := 0	#VALUE OF DEPAULT SOLAR HEATING	TING
S	PMV07 = 0	#ESTIMATED OFFSET TEMPERATURE	RE
9	PMV08 := 1,000000	#DIAMETER	
7	PMV09 := 45.560000	#CONDUCTOR LATITUDE	
œ	PMV10 := 25	#VALUE OF INITIAL TEMPERATURE	ĸ
6	PMV11 := 0.02216	#VALUB OF RAC CONDUCTOR RESISTANCE	STANCE
10	PMV12∵:=.0.00008333	# VALUB OF RDELT TEMPERATURE COEFFICIENT	COEPFICIENT
11	PMV13 := 392.086	# VALUB OF THC THERMAL HEAT CAPACITY	APACITY
12	PMV14 := 1.859	# VALUE OF TRA THERMAL RESISTANCE TO AMBIENT	ANCE TO AMBIENT
13	PMV15 := 90	#VALUE OF TH HIGH TEMPERATURE THRESHOLD	E THRESHOLD
14	PMV16 := 80	# VALUE OF TL LOW TEMPERATURE THRESHOLD	E THRESHOLD
15	PMV17 := 0	#ESTIMATED AMBIENT TEMPERATURE	URE
16	PMV18 = RTD01	#VALUE OF A TA AMBIENT TEMPERATURE	LATURE
11	PSV05 ≥ 1	# STATE OF SGE SOLAR GENERATOR ENABLE	R ENABLE
18	PSV06 := 1	#STATE OF THERMAL SENSOR ENABLE	3LB
19	PSV18 := 1	#STATE OF THERMAL TRIP ENABLE	
70	PMV01 := DDOY	#DAY OF THE YEAR	
21	.PMV02 := THR + TMIN * 0.0166667	# HOURS OF THE DAY	
22	$PMV20 := 23.450001 \cdot SIN((284.000000 + PMV01) \cdot 0.98630137)$	1) * 0.98630137)	#SUN DECLINATION
ន	PMV21 := (PMV02 - 12.000000) * (-15.000000)		#LOCT
ጸ	PMV22 := PMV21 + (PMV03 - PMV04)		#WS
ß	PMV24 := SIN(PMV20) * SIN(PMV09) + COS(PMV20) * COS(PMV09) * COS(PMV22)	4V20) * COS(PMV09) * COS(PMV22)	#C08(Z)
;			

JAN 20	2004	27 30 Les
		FROM FIG.4

 	.		*   *
FROM FIG.4	30	PMV25 := PMV25 * PMV24	FROM
	31	PMV27 := PMV27 - 17469 * PMV25	
	32	PMV25 := PMV25 * PMV24	
	33	PMV27 := PMV27 + 2498 * PMV25	
	34	PMV28 := PMV27	#SIR VALUE
	35	PMV29 := PMV05 * PMV08 * PMV28	#QSUN VALUE
	36	PSV01 := PMV29 >= 0	
	37	PMV30 := (PMV29 * 0.001) * PSV01	
	38	PSV08 := NOT PSV05	
	39	PMV30 := ((PMV29 * 0.001) * PSV01) * PSV05 + PMV06 * PSV08	8 #QSUN VALUE
	49	PSV02 := PFRTEX	#DETECTION OF FIRST PROCESING INTERVAL
	41	PSV03 := NOT PFRTEX	
	42	PMV35 := PMV10 * PSV02 + PMV35 * PSV03	# INTRODUCTION OF THE TC INITIAL VALUE
	43	PSV10;=(LIARMS>= LIBRMS) AND(LIARMS>= LICRMS)	#STATE OF PHASE A LARGEST CURRENT
	4	$PSV11 := ((LIBRMS \succ LIARMS) \ AND(LIBRMS \succ LICRMS)) \ OR \ ((LIBRMS \succ LIARMS) \ AND(LIBRMS \succ LICRMS))$	R = (LIBRMS > LIARMS) AND(LIBRMS >= LICRMS)
	45	PSV12 := ((LICRMS >= LIARMS) AND(LICRMS > LIBRMS)) OR ((LICRMS > LIARMS) AND(LICRMS >= LIBRMS))	R(LICRMS > LIARMS) AND(LICRMS >= LIBRMS))
	46	PMV19 := LIARMS * PSV10 + LIBRMS * PSV11 + LICRMS * PSV12	V12 #CHOICE OF GREATEST RMS PHASE CURRENT
	47	PSV07 := NOT PSV06	
	48	FMV32 := (PMV18 * PSV06 + PMV17 * PSV07) + PMV07	#VALUB OF AMBIENT TEMPERATURE
	49	PMV36 := ((PMV19 * PMV19) * (PMV11 + (PMV35 - 25) * PMV12)) * 0.001	(2)) * 0.001
	જ	PMV37 := ((PMV36 + PMV30) / PMV13) - ((PMV35 - PMV32) / (PMV13 * PMV14))	PMV13 * PMV14))
	51	PMV38 := PMV37 * (0.00208333)	# TEMPERATURE INCREMENT
	22	PMV35 := PMV35 + PMV38	# TEMPERATURE INTEGRATION
	53	PCT10IN := PMV35 > PMV16	#DETECTION OF ALARM STATE
	. \$5	PCT10PU := 10	
	55	PCT10D0 = 10	
	26	PCT11IN := (PMV35 > PMV15) AND PSV18	#DETECTION OF TRIP STATE
	27	PCT11FU ≥ 10	
	28	PCT11D0 = 10	